UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/727,846	12/01/2000	Rajendra Kumar Bera	JA999-703	3905

7590 02/13/2004	EXAMINER
Ronald L Drumheller	NAHAR, QAMRUN
94 Teakettle Spout Road	
Mahopac, NY 10541	

ART UNIT	PAPER NUMBER
2124	5

DATE MAILED: 02/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/727,846	BERA, RAJENDRA KUMAR
	Examiner	Art Unit
	Qamrun Nahar	2124

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *01 December 2000*.

2a)☐ This action is **FINAL**.　　　2b)☐ This action is non-final.

3)☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-16* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☒ Claim(s) *1-16* is/are allowed.

6)☐ Claim(s) _____ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *01 December 2000* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☒ All　b)☐ Some * c)☐ None of:

　　　1.☒ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
　　Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
　　Paper No(s)/Mail Date. _____ .
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

DETAILED ACTION

1. Claims 1-16 have been examined.

Drawings

2.   The drawings are objected to under 37 CFR 1.83(a) because they fail to show "substep 31", "substep 32", "substep 33" as described in the specification on pages 5-6. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

3.   The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: "31", "32", "33" on page 5, line 9, line 15 and line 21, respectively. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

4.   The disclosure is objected to because of the following informalities: on page 8, line 29, "ChangeSubstrg(strg, FromStrg[i], ToStrg[i];" is incorrect because the code statement is missing a closing parenthesis. It should be:

"ChangeSubstrg(strg, FromStrg[i], ToStrg[i]);"

Appropriate correction is required.

Allowable Subject Matter

5.   Claims 1-16 are allowed.

6.   The following is a statement of reasons for the indication of allowable subject matter:

The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, creating a string of characters from said expression; iteratively substituting occurrences of said characters also occurring in a first determined list with characters from a second predetermined list; and determining said expression to be syntactically correct only if said string reduces to a single predetermined character as recited in independent claims 1 and 9.

The closest cited prior art, Pagallo (U.S. 5,627,914) discloses a method of determining the syntactic correctness of an expression for use in a computing environment as recited in claims 1 and 9, by breaking up the expression into tokens, and then a syntax tree is created, where the tokens are the nodes. The syntax tree is then parsed to determine the correctness of the expression.

Parity bit and checksum are also well known in the computer art. Parity bit is an extra bit that is used in checking for errors in groups of data bits transferred within or between computer systems. Checksum is a calculated value that is used to test data for errors that can occur when data is transmitted or written to disk.

However, the closest cited prior arts fail to teach creating a string of characters from said expression; iteratively substituting occurrences of said characters also occurring in a first

determined list with characters from a second predetermined list; and determining said

expression to be syntactically correct only if said string reduces to a single predetermined

character as recited in independent claims 1 and 9.

There is no second step to use the result of this method. It is a one-way transformation,

where the expression cannot be recovered. One of ordinary skill in the computer art would not

be motivated to determine the syntactic correctness of an expression using this method.

Therefore, it is a counterintuitive allowance.

7.   As allowable subject matter has been indicated, applicant's reply must either comply with

all formal requirements or specifically traverse each requirement not complied with. See 37

CFR 1.111(b) and MPEP § 707.07(a).

Conclusion

8.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

9.   This application is in condition for allowance except for the following formal matters:

1) Requirement for Drawing corrections must be submitted for approval prior to

allowance.

2) Requirement for Specification corrections must be submitted for approval prior to

allowance.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

10.   Any inquiry concerning this communication from the examiner should be directed to Qamrun Nahar whose telephone number is (703) 305-7699. The examiner can normally be reached on Mondays through Thursdays from 9:00 AM to 6:30 PM. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on (703) 305-9662. The fax phone number for the organization where this application or processing is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

QN
February 10, 2004

TODD INGBERG
PRIMARY EXAMINER